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015033956 \*\*Image available\*\*  
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**Supporting wall structure, for a trench, has equidistant vertical supports with spreaders and chord carriers, with clips as fasteners to hold the wall plates at the chord carriers in a rapid and secure mounting operation**

Patent Assignee: EMUNDS & STAUDINGER GMBH (EMUN-N)

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Priority Applications (No Type Date): DE 1063039 A 20001218

Patent Details:

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DE 10063039 A1 11 E02D-017/08

Abstract (Basic): **DE 10063039 A1**

NOVELTY - The supporting wall structure for a trench has equidistant vertical supports (1,2), along the trench, with paired and spaced spreaders (6). Plates (4) are inserted vertically into the trench, with their edges in guide channels at the supports. Chord carriers (8,9) extend over at least two wall sections, at the outer sides of the supports, to be fastened to the supports and the plates to form the trench walls by clips (7) pushed into place over the chord carriers and the upper edges of the plates. Each clip has a clamping pad at the inner side of a plate and a second clamping pad at the outer side of the chord carrier, with an adjustable gap between the clamping pads.

USE - The assembly is a supporting wall structure at a trench.

ADVANTAGE - The structure gives a rapid and secure fastening between the outer horizontal carriers and the trench wall.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic plan view of the trench supporting wall structure.

vertical supports (1,2)

plates (4)

spreaders (6)

fastening clips (7)

chord carriers (8,9)

pp; 11 DwgNo 1/12

Title Terms: SUPPORT; WALL; STRUCTURE; TRENCH; EQUIDISTANT; VERTICAL; SUPPORT; SPREAD; CHORD; CARRY; CLIP; FASTEN; HOLD; WALL; PLATE; CHORD; CARRY; RAPID; SECURE; MOUNT; OPERATE

Derwent Class: Q42; Q43

International Patent Class (Main): E02D-017/08

File Segment: EngPI

**Supporting wall structure, for a trench, has equidistant vertical supports with spreaders and chord carriers, with clips as fasteners to hold the wall plates at the chord carriers in a rapid and secure mounting operation**

Patent Number: DE10063039

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Applicant(s): EMUNDS & STAUDINGER GMBH & CO (DE)

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Priority Number(s): DE20001063039 20001218

IPC Classification: E02D17/08

EC Classification: E02D17/08

Equivalents:

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**Abstract**

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The supporting wall structure for a trench has equidistant vertical supports (1,2), along the trench, with paired and spaced spreaders (6). Plates (4) are inserted vertically into the trench, with their edges in guide channels at the supports. Chord carriers (8,9) extend over at least two wall sections, at the outer sides of the supports, to be fastened to the supports and the plates to form the trench walls by clips (7) pushed into place over the chord carriers and the upper edges of the plates. Each clip has a clamping pad at the inner side of a plate and a second clamping pad at the outer side of the chord carrier, with an adjustable gap between the clamping pads.

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⑯ BUNDESREPUBLIK  
DEUTSCHLAND



DEUTSCHES  
PATENT- UND  
MARKENAMT

⑯ ⑫ Offenlegungsschrift  
⑯ ⑯ DE 100 63 039 A 1

⑯ Int. Cl.<sup>7</sup>:  
E 02 D 17/08

⑯ Aktenzeichen: 100 63 039.1  
⑯ Anmeldetag: 18. 12. 2000  
⑯ Offenlegungstag: 20. 6. 2002

DE 100 63 039 A 1

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Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

⑯ Verbauvorrichtung zum Abstützen der Wände eines Grabens

DE 100 63 039 A 1